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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

NOVEMBER 1935

Any five of the nontechnical publications listed herein, unless indicated " For sale only ", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETIN

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Summer crops for green manure and soil improvement. Roland McKee, Bureau of Plant Industry. 17 p., illus. (F. B. 1750F.) Price, 5¢.

This bulletin discusses the importance of legumes or other crops in rotations for soil improvement. Such practice is recognized as a means of maintaining soil fertility and insuring increased crop yields.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject matter specialists.

Effects of particle size on the properties and efficiency of fertilizers. A. L. Mehring, L. M. White, and W. H. Ross, Bureau of Chemistry and Soils, and J. E. Adams, Bureau of Plant Industry. 27 p. illus. (T. B. 485T.) Price, 5¢.

The purpose of this bulletin is to give the results of experiments upon the properties of various fertilizers, their behavior during storage, their handling and application to the soil, their movements and reactions in the soil solution, and their efficiency in getting good stands and high crop yields, and then to show so far as possible their interrelationships and significance to agriculture.

Reducing decay in citrus fruits with borax. J. R. Winston, Bureau of Plant Industry. 32 p., illus. (T. B. 488T.) Price, 5¢.

Although the production of citrus fruits is confined to relatively small areas in a few States, the market for the crop is Nation-wide and there is a growing export trade as well. The losses from decay developing between the time the fruit is harvested and consumed are often serious and greatly complicate the marketing program.

Alfalfa experiments at Stoneville, Miss. Paul R. Henson and H. L. Westover, Bureau of Plant Industry, in cooperation with the Mississippi State College and Agricultural Experiment Station. 14 p., illus. (T. B. 495T.) Price, 5¢.

The results of these experiments indicate that while some of the failures can be attributed to the use of seed of unadapted varieties, failure to cut at the proper stage of growth, to poor preparation of the seed bed, and to insect and disease injury, the most important factor in the successful production of alfalfa is adequate surface drainage.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

National standards for farm products. Bureau of Agricultural Economics. 56 p., illus. (Cir. 8C, rev.) Price, 5¢.

American tobacco types, uses, and markets. Charles E. Gage. 88 p., illus. (Cir. 249C, rev.) Price, 20¢.

Cyanide fumigation of mushroom houses. A. C. Davis and H. V. Claborn, Bureau of Entomology and Plant Quarantine. 10 p., illus. (Cir. 364C.) Price 5¢.

Investigations were for the purpose of comparing the concentrations of hydrocyanic acid gas obtained with the three most common methods of generation and to determine its effectiveness, under conditions encountered in the houses at peak heat, against the insects and mites that attack mushrooms

Studies of ripening of sugarcane in Louisiana and of effect of topping upon yields of cane and sugar per acre. George Arceneaux, Bureau of Plant Industry. 32 p., illus. (Cir. 368C.) Price, 5¢.

Results of studies concerning the rate of ripening of different varieties, the concentration of sugar in various portions of the stalk at periodic intervals, and the effect of removal of varying proportions of the immature upper portion of the stalks on yields of sugar per ton of cane and per acre are summarized in this circular.

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A practical laboratory method of making thin cross sections of fibers. J. I. Hardy. 11 p., illus. (Cir. 378C.) Price, 5¢.

Through the use of a recent invention by the writer, a simple laboratory technic has been developed for quickly making thin cross sections of fibers with better definition than is ordinarily obtained by more laborious methods used in conjunction with a microtome.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Forest taxation in the United States. Fred Rogers Fairchild and associates. Forest Service. 681 p. (M. P. 218MIP.) Price, 75¢.

This report presents a background of facts about the existing methods of taxation and their relation to forestry. It weighs the effects of taxation on forest management. It develops the principles of sound forest taxation and is based on the requirements of the public interest both in forestry and in taxation.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry, Service and Regulatory Announcements. September 1935. Pp. 127–140. (S. R. A.—B. A. I. 341.); October 1935. (S. R. A.—B. A. I. 342.) Price, 5¢ each.[1]

Amendment to regulations 17 and 27, B. A. I. Order 211—revised. (Regulations governing the meat inspection of the United States Department of Agriculture). Bureau of Animal Industry. 1 p. (Amendment 2 to B. A. I. Order 211—revised).[2]

Amendment to regulation 24, B. A. I. Order 211—revised. (Regulations governing the meat inspection of the United States Department of Agriculture). Bureau of Animal Industry. 1 p. (Amendment 5 to B. A. I. Order 211—revised).[2]

Packers and Stockyards Act 1921, as amended, 1926 and 1935. General rules and regulations of the Secretary of Agriculture with respect to stockyard owners, market agencies, dealers, and licensees. Effective on and after November 25, 1935. Bureau of Animal Industry. 18 p. (B. A. I. Order 357).[2]

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 261–326. (N. J., F. D. 23626–23825); pp. 327–393. (N. J., F. D. 23826–24000); pp. 13–88. (N. J., F. D. 24026–24125); pp. 89–174. (N. J., F. D. 24126–24350).[2]

Prosecutions and seizures under the interstate clause (Sec. 6) of the Federal Seed Act. (Jan. 1, 1935, to June 30, 1935; 70–90), Bureau of Plant Industry. 6 p. (S. R. A.—B. P. I. 21.)[2]

SOIL SURVEYS

These reports consist of two parts: (1) a soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Kansas, Bourbon County. (No. 12, series 1931.) 29 p., illus. Price, 30¢.

OTHER PUBLICATIONS

The edible passion fruit in Hawaii. W. T. Pope. 22 p., illus. (Hawaii Bull. 74.) Price, 5¢.

The passion fruit may be used in many ways for food and beverage purposes and it may find a market both in Hawaii and on the mainland of the United States.

No insect pests or plant diseases have yet been reported as seriously attacking passion fruit plants in Hawaii.

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[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

[2] These may be obtained from the issuing bureau.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery, detach this frank and return in stamped envelop to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication.

Farmers' Bulletins	Leaflets	Other publications

Report of the Chief of the Bureau of Dairy Industry, 1935. O. E. Reed. 27 p. Price, 5¢.

Report of the Chief of the Bureau of Home Economics, 1935. Louise Stanley. 13 p. Price, 5¢.

Report of the Chief of the Food and Drug Administration, 1935. W. G. Campbell. 25 p. Price, 5¢.

Report of the Chief of the Office of Experiment Stations, 1935. James T. Jardine. 8 p. Price, 5¢.

Report of the Chief of the Weather Bureau, 1935. W. R. Gregg. 13 p. Price, 5¢.

Report of the Director of Information, 1935. M. S. Eisenhower. 16 p. Price, 5¢.

Report of the Solicitor, 1935. Seth Thomas. 28 p. Price, 5¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 19, no. 11, November 1, 1935. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.[1]

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 12, no. 10, October 1935. Price, 10¢ a copy; $1.00 a year, domestic; $1.50 a year, foreign.[1]

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily except Sundays and holidays, 25¢ a month, $3 a year; daily, including Sundays and holidays, 30¢ a month, $3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, $7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, $2.40 a year.[1]

Extension service review. Vol. 6, no. 11, November 1935. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.[1]

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Journal of agricultural research. Price, $3.25 a year, domestic; $4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Reprints, 5¢, domestic; 8¢, foreign.[1] Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

——— Vol. 51, no. 4. August 15, 1935. Illus.

Contents:

Phosphorus content and buffer capacity of plant sap as related to the physiological effect of phosphorus fertilizers in fibrous low-moor peat (Fla.–17). J. R. Neller.

Composition of the leaves and stalks of barley at successive stages of growth with special reference to the formation of lignin (E–63). Max Phillips and M. J. Goss.

The distribution and condition of phosphorus in three horizons of a differentially fertilized Hagerstown clay loam soil planted to apple trees in metal cylinders (Pa.–52). Walter Thomas.

A comparison of *Leptosphaeria salvinii* and *Helminthosporium sigmoideum irregulare* (Ark.–21). E. M. Cralley and E. C. Tullis.

Comparative toxicity of *Anabasine* and nicotine sulphates to insects (N. J.–29). Joseph M. Ginsburg, John B. Schmitt, and Philip Granett.

The toxicity of optically active and inactive dihydrodeguelins (K–263). W. A. Gersdorff.

A new bacterial species isolated from strawberries (G–979). Helen F. Smart.

Chemical composition of canned peas of two varieties of different sizes and grades (Wis.–71). W. S. Thompson and W. H. Peterson.

Pubescent and glabrous characters of soybeans as related to resistance to injury by the potato leafhopper (G–974). H. W. Johnson and E. A. Hollowell.

Monthly weather review. Vol. 63, no. 8, August 1935. Illus. Price, 15¢ a copy; $1.50 a year, domestic; $2.25 a year, foreign.[1] Not for general distribution.

Public roads. Vol. 16, no. 8, October 1935. Price 10¢ a copy; $1 a year, domestic; $1.50 a year, foreign.[1]

Soil conservation. Vol. 1, no. 4, November 1935. Price, 10¢ a copy; $1.00 per year, domestic.[1]

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 45–48, November 5–26, 1935. Price, 50¢ a year, domestic; $1 a year, foreign.[1]

AGRICULTURAL ADJUSTMENT ADMINISTRATION

G–49. What countries shall supply the world with its cotton? 8 p.[2]

The rye situation and the 1936–39 rye production adjustment program. Commodity Information Series—Rye Leaflet no. 1. 8 p.[2]

[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

[2] These may be obtained free upon application to the Agricultural Adjustment Administration.

U. S. GOVERNMENT PRINTING OFFICE: 1935